

The listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Canceled)

2. (Currently Amended) A display device comprising:

a substrate;

a pixel portion comprising a plurality of pixels formed over the substrate;

a driving circuit formed over the substrate, which controls the pixel portion;

a charge pump circuit which supplies a voltage to the driving circuit, the charge pump circuit comprising:

~~a charge pump control circuit comprising a thin film transistor on a substrate;~~

a switching element formed over the substrate; and

a capacitor [[,]]; and

a charge pump control circuit formed over the substrate, which controls the charge pump circuit

~~wherein the switching element is driven correspondingly to an output signal of the charge pump control circuit to step a voltage up or down.~~

3. (Original) A display device according to claim 2, wherein the charge pump control circuit can vary a clock frequency to input to the switching element.

4. (Original) A display device according to claim 3, wherein the frequency varying unit is controlled by a CPU.

5. (Original) A display device according to claim 4, wherein the CPU is comprised of a thin film transistor.

6. (Original) A display device comprising:
a variable frequency-dividing circuit comprising a thin film transistor; and
a CPU comprising a thin film transistor,
wherein the variable frequency-dividing circuit is controlled by the CPU, and
wherein a dividing ratio is varied according to a display mode.

7.-9. (Canceled)

10. (Original) A display device according to claim 2, wherein the display device is a liquid crystal display device.

11. (Original) A display device according to claim 6, wherein the display device is a liquid crystal display device.

12.-13. (Canceled)

14. (Original) A display device according to claim 2, wherein the display device is an EL display device.

15. (Original) A display device according to claim 6, wherein the display device is an EL display device.

16.-17. (Canceled)

18. (Original) A display device according to claim 2, wherein the display device is applied to an electrical equipment selected from the group consisting of a digital camera, a notebook type personal computer, a PDA, a DVD playback device, a folding portable information device, a watch type display device and a mobile phone.

19. (Original) A display device according to claim 6, wherein the display device is applied to an electrical equipment selected from the group consisting of a digital camera, a notebook type personal computer, a PDA, a DVD playback device, a folding portable information device, a watch type display device and a mobile phone.

20. (Canceled)

21. (New) A display device according to claim 2, wherein the switching element is a transistor.

22. (New) A display device according to claim 21, wherein the transistor is a thin film transistor.

23. (New) A display device according to claim 2, wherein the switching element is a diode.

24. (New) A display device according to claim 23, wherein the diode is a PIN diode.

25. (New) A display device according to claim 2, wherein the charge pump control circuit comprises:
a variable frequency-dividing circuit formed over the substrate; and

a processing circuit formed over the substrate, which controls the variable frequency-dividing circuit.